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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/993,866	11/05/2001	Seiji Hamada	JP20000342US1	8302

24852 7590 12/10/2003

INTERNATIONAL BUSINESS MACHINES CORP
IP LAW
555 BAILEY AVENUE, J46/G4
SAN JOSE, CA 95141

EXAMINER

GOOD JOHNSON, MOTILEWA

ART UNIT	PAPER NUMBER
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2672

DATE MAILED: 12/10/2003

3

Please find below and/or attached an Office communication concerning this application or proceeding.

TS

Office Action Summary

Application No.

09/993,866

Applicant(s)

HAMADA ET AL.

Examiner

Motilewa A. Good-Johnson

Art Unit

2672

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

1. This office action is responsive to the following communication: Application, filed 11/05/2001.
2. Claims 1-19 are pending in this application. Claims 1, 8 and 14 are independent claims. No claims have yet been amended.
3. The present title of this application is "Data Display System, Data Display Method, Computer and Computer Program Product" (as originally filed).

Priority

4. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Marshall et al., U.S. Patent Number 6,101,493, "Method and System for Displaying Related Information from a Database", class 707/3.

As per independent claim 1, a computer system comprising: a display device having a display area on a display screen thereof, (Marshall discloses a display device, col. 2, lines 2, lines 62-67) wherein, out of target data to be displayed in said display area, one or multiple first data sets, the contents of which are actually displayed, and one or multiple first predetermined displays, which represent one or more multiple first data groups of the target data . . . (Marshall discloses the display device has a plurality of display area each area from an associated table within a database, col. 2, lines 62-67)

With respect to dependent claim 2, first data sets and first said data groups are sorted in the ascending order or in the descending order, and said first data sets and said first predetermined displays are presented in sorting orders thereof. (Marshall discloses the first set of records are retrieved from the database, sorted and then displayed, col. 8, lines 20-26)

With respect to dependent claim 3, first data sets include the first and the last data of said target data. (Marshall discloses the first display are displays the first information area of the data with a list box less that it maximum size and indicating the number of entries in the list box containing the target information, col. 5, lines 17-31)

With respect to dependent claim 4, operation of selecting said first predetermined displays, one or multiple second data sets, the contents of which are actually display, and one or multiple second predetermined displays . . . are presented together . . . (Marshall discloses interlinking display areas with related information having a first

display are, second and third display area and selecting in any area modifies the other areas, col. 5, lines 7-16)

With respect to dependent claim 5, first predetermined displays and said second predetermined displays are correlated with the first data rows and the number of data rows of said first data groups and said second data groups, respectively. (Marshall discloses the first display area having, i.e. correlated with, a first display of a first type of data and a second display are displaying a second type of data in multiple rows and columns, col. 3, lines 11-31)

With respect to dependent claim 6, selection of said first data sets or said second data sets is a data entry operation. (Marshall discloses selection of one or more entries by a point device, list boxes drop down, or a key, therefore performing a data entry operation, col. 7, lines 1-21)

With respect to dependent claim 7, target data is recorded in a different computer system connected to said computer system via communication means . . . not transmitted from said different computer system . . . (Marshall discloses the data is obtained from tables in a database associated with the computer system, col. 3, lines 46-59, thus making it inherent that the data may be retrieved from a different computer)

As per independent claim 8, a data display method . . . comprising the steps of: identifying first data sets, which are included in said target data to be displayed in said display area and the contents . . . ; (Marshall discloses a first set of records are retrieved from a database, col. 8, lines 15-24) identifying first data groups, which are included in said target data other than said first data sets . . . ; (Marshall discloses a key

used to represent the user selection in the database associated with a list box, col. 8, lines 1-30) reading said first data sets from a recording area wherein said target data is stored and . . . ; (Marshall discloses displaying the list box for the total records counted and updated the list box with a total number of records retrieved, col. 8, lines 28-39) and presenting first predetermined displays . . . (Marshall discloses a first predetermined display, figure 1, element 116)

With respect to dependent claim 9, selecting said first predetermined displays; identifying second data sets, which are included in said first data groups and the contents of which are actually . . . ; (Marshall discloses a second set of records retrieved from the table in the database, col. 9, lines 14-15) identifying second data groups, which are included in said target data other than said first data sets and the contents of which are not displayed . . . ; (Marshall discloses sorting the second set of records with a list box, and displaying the list box, col. 9, lines 14-33) reading said first data sets from a recording area . . . ; (Marshall discloses retrieved records from a database table, which indicates a recording area) and presenting second predetermined display . . . (Marshall discloses the display of the second set of selected records, col. 9, lines 16-17)

With respect to dependent claim 10 and 11, they are rejected based upon similar rational as above claims 2 and 5 respectively.

With respect to dependent claim 12, first or second predetermined displays that represent said first or second data groups respectively are presented and a reading pointer for said target data is skipped by the number . . . of data rows of said first or second data groups . . . (Marshall discloses a user selected record is identified and the

other list boxes are modified to visually indicate those records related to the first data group respectively, col. 9, lines 35-52)

With respect to dependent claim 13, reading and displaying step is repeated until all said target data are displayed in said display area. (Marshall discloses readable code for determining a selection, obtaining a key, notifying the other area of the key and updating the entries in the other display area to visually distinguish entries with the key from those not associated with the key, col. 3, line 60 – col. 4, line 8)

As per independent claim 14 and dependent claims 15-17, see above rejection for claims 8, 9, 11 and 12 respectively. (Marshall discloses the above implemented in a system, col. 2, lines 49-61)

As per independent claim 18 and dependent claim 19, see claim 8 and 9 respectively. (Marshall discloses the above can be implement as a computer readable medium, col. 2, lines 49-61)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Motilewa A. Good-Johnson whose telephone number is (703) 305-3939. The examiner can normally be reached on Monday - Friday 8:30 AM - 5:00 PM.

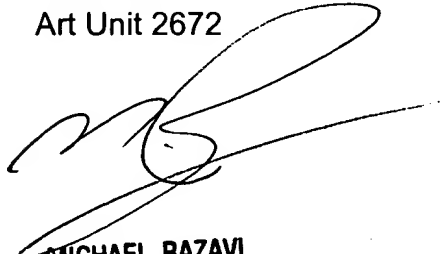
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Razavi can be reached on (703) 305-4713. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9314.

Art Unit: 2672

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-0377.

Motilewa A. Good-Johnson
Examiner
Art Unit 2672

mgj



MICHAEL RAZAVI
SUPERVISORY PATENT EXAMINER
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